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NOTICE OF ALLOWANCE AND FEE(S) DUE

65913 NXP. B.V.

M/S41-SJ

1109 MCKAY DRIVE

SAN JOSE, CA 95131

7590

NXP INTELLECTUAL PROPERTY & LICENSING

08/03/2009

EXAMINER

NGUYEN, KHIEM D

ART UNIT

PAPER NUMBER

2823

DATE MAILED: 08/03/2009

	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
Ī	10/550,853	09/22/2005	Philippe Meunier-Beillard	NL03 0357 US1	6408

TITLE OF INVENTION: METHOD OF EPITAXIAL DEOPOSITION OF AN N-DOPED SILICON LAYER

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	11/03/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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1109 MCKAY I SAN JOSE, CA			[(Depositor's name)
,								(Signature)
	_		<u> </u>					(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENT	OR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
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Change of correspondence address or indication of "Fee Address" (37 FR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.					
PLEASE NOTE: Unl recordation as set fort (A) NAME OF ASSIG	less an assignee is ident h in 37 CFR 3.11. Comp GNEE		data will appear on th T a substitute for filing (B) RESIDENCE: (C.	e pat an as	tent. If an assigne ssignment. and STATE OR C	OUNT	RY)	ocument has been filed for
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	UAL PROPERTY & I	ART UNIT	PAPER NUMBER		
M/S41-SJ 1109 MCKAY DR SAN JOSE, CA 95			2823 DATE MAILED: 08/03/200	9	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 126 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 126 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)		
	10/550,853	 MEUNIER-BEILLARD ET AL.		
Notice of Allowability	Examiner	Art Unit		
	KHIEM D. NGUYEN	2823		
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.31	ears on the cover sheet was (OR REMAINS) CLOSED in or other appropriate commetIGHTS. This application is and MPEP 1308.	ith the correspondence address in this application. If not included unication will be mailed in due course, subject to withdrawal from issue at the	initiative	
1. This communication is responsive to the amendment and	response to restriction/elect	ion requirement filed on May 14"', 2009	<u>9</u> .	
2. ☑ The allowed claim(s) is/are <u>1-20</u> .				
 3. Acknowledgment is made of a claim for foreign priority units a) All b) Some* c) None of the: Certified copies of the priority documents have Certified copies of the priority documents have Copies of the certified copies of the priority documents have Horizontal Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	e been received. e been received in Application	on No	1 the	
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDON'THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	MENT of this application.			
 A SUBSTITUTE OATH OR DECLARATION must be subn INFORMAL PATENT APPLICATION (PTO-152) which giv 			OF	
5. CORRECTED DRAWINGS (as "replacement sheets") mu	st be submitted.			
(a) ☐ including changes required by the Notice of Draftsper	son's Patent Drawing Revie	w (PTO-948) attached		
1) ☐ hereto or 2) ☐ to Paper No./Mail Date	<u>.</u> ,			
(b) ☐ including changes required by the attached Examiner Paper No./Mail Date				
Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in			f	
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT 				
Attachment(s)				
1. Notice of References Cited (PTO-892)		formal Patent Application		
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	Paper No.	ummary (PTO-413), /Mail Date		
 Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date <u>01/28/2009</u> 	/. ∐ Examiner's	Amendment/Comment		
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🛛 Examiner's	Statement of Reasons for Allowance		
- 9	9. 🔲 Other	<u>.</u>		
/Khiem D. Nguyen/	07/28/2009			
Primary Examiner, Art Unit 2823				

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DETAILED ACTION

Remarks

- The amendment and response to restriction/election requirement filed on May 14th, 2009 is acknowledged. By this amendment, claims 18-20 have been newly added. Accordingly, claims 1-20 are currently pending in this application and claims 1 and 8 are in independent form.
- 2. Applicants' election with traverse of Group I (Claims 1-14) in the reply filed on May 14th, 2009 is acknowledged. The traversal is on the ground(s) that "Applicant respectfully traverses the restriction requirement presented in the instant Office Action because there is no serious burden upon the Examiner if restriction is not required...Accordingly, the restriction requirement presented in the instant Office Action is improper and claims 1-17 should continue to be examined together". This is found persuasive and therefore the restriction mailed on April 17th, 2009 is hereby withdrawn. Accordingly, claims 1-20 are being examined altogether in the application.

Allowable Subject Matter

3. Claims 1-20 are allowed over prior art of record.

Reasons For Allowance

4. The following is an examiner's statement of reasons for allowance:

After further search and consideration of Applicants' response filed on January 28th, 2009 (see Applicants' arguments in Page 6, line 10 to Page 7, line 23 of the January 28th, response), it is determined that the prior art of record

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neither anticipates nor renders obvious the claimed subject matter of the instant application as a whole taken alone or in combination, in particular, prior art of record does not teach "introducing in the reactor a first gas stream comprising carrier gas...and using an inert gas as the carrier gas", as recited in independent claim 1.

Claims 2-7 and 13-20 also allowed as being directly or indirectly dependent of the allowed independent base claim 1.

Claims 8-12 are allowed for the same ground that was set forth in Paragraphs 5-7 of the Office Action that was mailed on October 28th, 2008.

5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

- 6. The prior art made of record and not relied upon is considered pertinent to applicants' disclosure.
 - Kim et al. (U.S. Patent 7,312,128) discloses a method of epitaxially forming a silicon-containing material on a substrate surface.
 - Nagasawa et al. (U.S. Patent 7,101,774) discloses a method of manufacturing compound single crystals by epitaxially growing a compound single crystal layer differing from the substrate.

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 Flagan et al. (U.S. Patent 4,642,227) discloses a method and apparatus for producing large particles of material from gas, or gases, containing the material (e.g., silicon from silane).

Correspondence

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to KHIEM D. NGUYEN whose telephone number is (571)272-1865. The examiner can normally be reached on Monday-Friday (8:30 AM - 5:30 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew S. Smith can be reached on (571) 272-1907. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Khiem D. Nguyen/ Primary Examiner, Art Unit 2823 July 28th, 2009